

Converting Colors

CIELCh(42, 112.863, 315.468)

Have a look what the booklet for
CIELCh(42, 112.863, 315.468)
contains.

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Color

CIELCh(42, 112.743, 315.432)

Conversions

Conversions Part 1

Format	Color
Hex	9605E9
RGB	150, 5, 233
RGB Percent	59%, 2%, 91%
CMY	0.4109, 0.9819, 0.0855
CMYK	0.36, 0.98, 0.00, 0.09
HSL	278°, 96%, 47%
HSV	278°, 98%, 91%
XYZ	27.4052, 12.5000, 78.2146
YIQ	74.3470, 13.2320, 101.6480

Conversions

Conversions Part 2

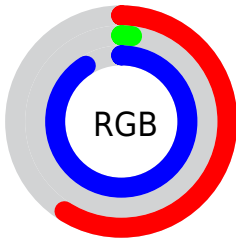
Format	Color
R_{YB}	150, 5, 233
Decimal	9831913
CIE _{Lab}	42.00, 80.32, -79.12
CIE _{LCh}	42, 112.743, 315.432
Yxy	12.5000, 0.2320, 0.1058
Android (android.graphics.Color)	4288021993 (0xFF9605E9)
YUV	74.3470, 78.2159, 66.3477
Hunter-Lab	35.3553, 76.4902, -106.4151

Details

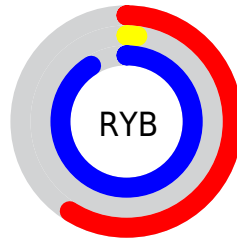
The CIELCh color **42, 112.743, 315.432** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **82, 105.761, 131.896**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 95.829, 319.445**, and **27, 94.452, 311.937** is the 20% darker color. If you saturate the color by 10%, you get **42, 113.425, 315.295**, and if you desaturate by 10%, it is **44, 108.459, 316.056**.

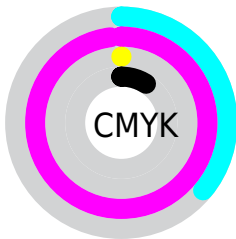
Distribution



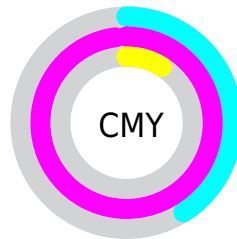
- Red (59%)
- Green (2%)
- Blue (91%)



- Red (59%)
- Yellow (2%)
- Blue (91%)



- Cyan (36%)
- Magenta (98%)
- Yellow (0%)
- Black (9%)





- Cyan (41%)
- Magenta (98%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 112.743, 315.432 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 42, 112.743, 315.432 by changing the saturation by 10% instead.


 42, 112.743,
315.432


 42, 112.743,
315.432


 100, 112.743,
315.432


 32, 112.743,
315.432


 62, 112.743,
315.432


 22, 112.743,
315.432


 72, 112.743,
315.432


 12, 112.743,
315.432


 82, 112.743,
315.432

 2, 112.743,
315.432

 92, 112.743,
315.432

 0, 112.743,
315.432

 42, 112.743,

 42, 112.743,

315.432

315.432

■ 42, 113.425,
315.295

■ 44, 108.459,
316.056

■ 48, 101.093,
316.341

■ 52, 91.030,
316.337

■ 57, 79.041,
316.127

■ 62, 65.878,
315.785

■ 68, 52.125,
315.369

■ 74, 38.188,
314.920

■ 81, 24.329,
314.466

■ 87, 10.704,
314.020

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42, 112.743, 315.432



82, 105.761, 131.896

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42, 112.743, 315.432



42, 112.743, 5.432



42, 112.743, 135.432



42, 112.743, 185.432

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42, 112.743, 315.432



80, 42.537, 314.971



43, 86.048, 294.506



40, 29.271, 315.165



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42, 112.743, 315.432



46, 121.399, 315.244



54, 97.000, 334.337



46, 7.635, 314.085



32, 93.727, 315.467



5, 38.296, 316.237

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50, 79.585, 15.088



54, 85.895, 16.433



81, 108.093, 137.366



46, 5.472, 352.570



38, 66.137, 15.143



7, 27.856, 5.427

Previews

White Background



This preview shows how the CIELCh color 42, 112.743, 315.432 looks on a white background.

Color Contrast Check

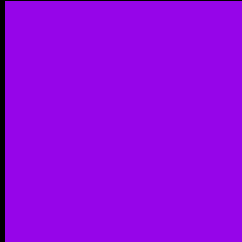
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 42, 112.743, 315.432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

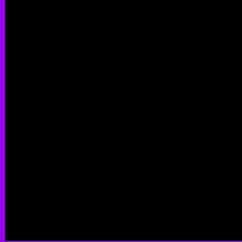
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 112.743, 315.432

Background



This preview shows how black text looks on a background with the CIELCh color 42, 112.743, 315.432.



This preview shows how white text looks on a background with the CIELCh color 42, 112.743, 315.432.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42, 112.632, 315.416

Protanopia

43, 64.528, 286.700

Deuteranopia

43, 45.836, 274.147



Tritanopia
42, 14.737, 5.054

Trichromacy



Original Color
42, 112.632, 315.416

Protanomaly
37, 91.433, 301.335

Deuteranomaly
36, 79.248, 299.501

Tritanomaly
39, 56.478, 322.722

Monochromacy



Original Color
42, 112.632, 315.416

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 53.721, 316.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 112.743, 315.432 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(150, 5, 233)` looks like.

```
.text, #text, p{  
    color:rgb(150, 5, 233)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(150, 5, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 5, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 112.743, 315.432 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 5, 233) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(150, 5, 233) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(150, 5, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 5, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 5, 233);  
box-shadow:4px 4px 4px 4px rgb(150, 5,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 112.743, 315.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 5, 233) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(150, 5,  
233) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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